

Daily System Generation Summary on Saturday

Saturday, February 09, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,290 MW
Distillate	0 MW
Total TNB	2,290 MW
Total IPP	16,230 MW
Total Co-Gen	55 MW
Total System	21,253 MW

Generation Mix

Type	MWh	Percentage
Hydro	7,083	2.15 %
Gas	36,942	11.21 %
Total TNB	44,025	13.36 %
ST-Coal	180,911	54.89 %
LSS	1,353	0.41 %
Gas	101,381	30.76 %
Total IPP	283,645	86.07 %
Co-Gen	1,413	0.43 %
Total Co-Gen	1,413	0.43 %
Total Generation	329,083	99.85 %
PLTG	218	0.07 %
HVDC	-698	-0.21 %
Interconnection	-480	-0.15 %
Net Energy	329,563	100.00 %

Maximum Demand Record

Date: 8/15/2018	18,338 MW
Date: 8/15/2018	388,524 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	20:30:00 Hour
Total Set On Bus	16,925 MW
TNB Generation	2,335 MW
IPP Generation	12,801 MW
Spinning Reserve	1,732 MW
Maximum Demand	15,239 MW
Net Energy	329,563 MWH
Load Factor	90.11 %

Fuel Cost

Total Cost:	65,885,597.71 RM
Cost per Unit	20.46 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	664
Hydro	512
Syncon	916
Thermal	191
Total	2,283

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	25

Gas Usage

Station	(mmscfd)
GLGR	50
TJGS	211
Total TNB	261
CBPS	53
KLPP	96
NPRI	152
PGLA	109
PLPS	88
PTEK	4
SGRI	37
SKSP	50
YPKA	34
Total IPP	624
Total Gas	885
Total Gas Required	885

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14489	13885	13342	12976	12657	12445	12374	12255	11796	12718	13448	13968	13966	13867	14198	14314	14573	14376	13957	13925	15118	15133	14930	14808

Prepared By: Abu Bakar bin K.K. Ibrahim

Checked By: -Select Name-

Printed on: Sunday, February 10, 2019 1:13:17 AM
(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																											
JMAH	U001	693	690	692	694	692	692	693	693	693	691	689	694	690	692	691	693	692	692	693	693	695	693	694	691	689	694	694																								
JMAH	U002	693	695	693	687	693	694	691	693	695	693	694	694	693	694	695	692	692	693	695	693	695	695	695	691	694	694	694																								
JMHE	U001	764	763	761	761	763	762	762	764	765	763	763	763	762	764	764	764	763	861	999	999	997	1000	999	1001	998	999	999																								
JMJG	U001	665	669	667	667	666	665	666	672	667	666	666	668	667	666	666	666	667	666	668	663	667	668	667	668	666	666	668																								
JMJG	U002	671	671	683	671	672	671	672	671	671	672	674	671	674	668	671	673	672	670	677	673	673	672	676	675	673	671	675																								
JMJG	U003	666	579	598	653	667	665	666	668	669	667	671	671	669	668	670	668	671	668	664	667	668	668	671	669	668	669	668																								
JMJG	U004	965	969	948	889	823	781	781	783	785	785	785	781	782	783	785	782	783	782	782	781	794	852	896	952	898	900	900																								
PKLG	U004	0	0	0	0	0	0	0	0	0	0	0	0	22	30	67	75	87	122	148	195	250	278	288	283	279	277	280																								
TBIN	U001	690	686	691	690	689	689	689	691	689	689	687	689	688	690	687	690	687	690	688	689	687	688	689	688	690	689	689																								
TBIN	U003	689	699	691	689	700	690	690	705	689	690	694	688	688	702	693	690	694	693	684	695	693	691	675	687	697	694	694																								
TBIN	U004	953	951	921	831	801	803	802	802	802	801	802	802	803	804	801	803	803	803	803	803	802	805	822	897	897	897	897																								
Total ST-Coal		7449	7372	7345	7232	7166	7112	7112	7140	7123	7117	7125	7125	7119	7129	7139	7152	7192	7183	7204	7343	7441	7490	7564	7764	7829	7870	7818	7752	7798	7814	7809	7810	7802	7815	7819	7830	7810	7810	7816	7837	7910	7925	7917	7870	7900	7673	7729	7724			
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	BLK2	365	357	360	360	362	362	362	362	360	360	360	360	362	364	248	214	221	221	358	358	358	361	361	356	352	357	360	359	361	361	360	359	361	357	363	365	362	364	361	365	364	361	357	365	363	365	367				
GLGR	GT01	102	104	104	103	103	91	67	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
GLGR	GT02	105	104	104	104	104	90	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	
GLGR	ST1C	94	93	93	93	93	89	71	71	69	71	71	71	71	70	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
KLPP	GT13	143	132	116	123	123	125	124	66	65	65	65	66	65	66	64	61	65	65	68	109	124	140	133	119	117	116	117	137	127	132	125	138	138	138	136	128	119	116	118	140	141	141	138	140	132	139	137	141			
KLPP	GT14	154	142	128	134	132	135	135	91	78	81	77	77	78	76	78	77	77	78	77	100	133	150	142	129	125	126	127	147	138	145	136	147	149	153	146	138	129	125	133	149	150	153	152	149	143	154	152	151			
KLPP	GT15	151	143	124	132	124	6	0	0	0	0	0	0	0	0	0	0	0	67	146	131	149	141	126	125	125	142	143	145	135	144	145	146	144	145	135	127	123	129	146	145	147	144	146	139	146	152	152				
KLPP	ST17	198	198	186	190	190	158	130	104	84	84	82	82	82	80	88	84	88	100	160	193	204	196	188	188	184	188	200	192	196	192	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196	196
NPRI	BLK1	509	509	508	509	501	507	507	509	509	508	508	506	505	509	508	500	430	491	503	503	503	505	503	504	499	496	504	502	502	505	504	504	505	503	500	505	499	504	503	505	505	503	502	504	504	505	506	508			
NPRI	BLK2	513	512	512	511	505	512	509	511	512	511	510	506	512	510	503	431	496	505	506	506	507	504	506	502	500	506	505	505	507	507	505	505	506	505	503	505	501	508	506	506	505	506	503	507	507	506	508				
PCGP	PGRG	600	603	603	601	592	604	600	603	601	602	602	601	599	603	604	592	601	604	602	603	600	602	599	600	590	592	602	600	600	601	602	604	604	604	602	595	601	595	602	605	600	601	603	599	603	602	602	605			
PGLA	GT11	211	199	168	197	193	206	211	203	202	205	193	211	212	192	208	166	168	173	213	202	207	213	201	198	185	164	189	214	202	205	200	205	211	209	203	200	209	181	182	215	215	216	217	210	212	216	215	217			
PGLA	GT12	213	202	170	201	195	209	214	207	206	209	196	215	215	196	213	170	172	177	214	206	209	216	203	202	189	168	193	216	206	208	204	208	213	212	206	202	210	184	187	219	218	219	219	211	215	219	219	221			
PGLA	ST10	239	235	209	233	229	236	234	226	233	224	212	230	234	229	221	202	205	207	234	232	234	236	234	217	224	207	221	237	232	235	230	239	237	239	235	228	239	211	222	241	240	240	240	240	240	240	242	238			
PLPS	GT11	133	132	133	133	130	134	134	133	65	66	66	65	65	66	62	66	65	66	61	65	65	131	130	128	126	130	130	122	123	122	122	122	122	122	122	121	115	116	115	125	124	124	131	132	131	130	131	131			
PLPS	GT12	136	137	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	147	134	134	132	130	134	134	128	127	127	126	128	127	126	128	127	126	124	120	69	118	128	129	130	135	136	135	135	134	134		
PLPS	GT13	128	129	129	130	129	129	130	131	64	65	65	64	64	64	64	60	63	65	65	64	65	63	64	64	63	60	64	64	120	120	118	120	120	119	118	118	112	112	112	121	121	122	127	128	127	127	126	127			
PLPS	ST18	212	212	212	142	142	142	143	142	93	91	91	91	91	91	91	87	89	91	91	92	133	169	188	188	186	184	187	188	205	207	205	206	206	206	206	206	206	201	184	199	209	207	207	212	211	211	211	212	211		
SGRI	GT12	130	130	112	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SGRI	GT13	122	122	106	102	122	123	102	102	103	103	103	103	103	104	104	103	107	103	103	104	104	103	103	103	99	103	103	129	128	126	128	130	130	111	107	111	130	129	129	131	131	133	133	133	133	133	133	133	133	133	
SGRI	ST14	156	141	136	130	73	71	67	64	64	66	64	64	65	64	64	63	64	64	64	65	65	64	64	65	65	64	64	71	73	75	73	74	70	70	62	65	66	75	71	71	72	74	71	71	71	71	71	71	71	71	
SKSP	BLK1	339	337																																																	

Daily MW Generation on Saturday

Station	Unit	0000	0100		0200		0300		0400		0500		0600		0700		0800		0900		1000		1100		1200		1300		1400		1500		1600		1700		1800		1900		2000		2100		2200		2300			
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67	106	100	99	70	98	98	0	
BSIA	HY02	23	23	23	23	23	13	13	13	13	13	13	13	13	13	13	13	13	12	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13			
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	10	10	9	9	10	10	10	9	9	9	10	9	10	9	10		
CEND	HY02	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	10	9	10	9	9	9	9	9	9	10	9	9	9	9				
CEND	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
HTRG	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
KNRG	HY01	34	33	33	33	33	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23			
KNYR	HY02	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
KNYR	HY03	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	59	59	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1				
KNYR	HY04	60	60	60	60	60	59	59	60	60	60	60	60	61	61	61	59	58	61	60	60	60	60	59	59	60	58	60	60	61	60	61	60	61	60	61	60	59	60	62	61	61	61	60	61	63	61			
LPIA	HY01	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		
LPIA	HY02	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	5	5	5	5	3	3	3	3	3	7	7	7	7	7	7	7	7	
PGAU	HY01	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	-1	-1	-1	-1	-1	-1	-1	21	21	22	21	21	-1	-1	20	20	20	20	20	20	20	20	-1	-1	-1	-1	21	21	21	21	21	21	21	21	
PGAU	HY02	21	21	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	21	21	20	20	20	20	20	20	-1	-1	21	21	21	21	21	21	21	20	21		
PGAU	HY04	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	20	21	21	20	20	20	20	20	21	21	20	20	21	20	20	20	21	20	20	20	20	20	20	20	20	20	20	20		
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	51	51	0	0	0	0	50	49	49	49	49	49	49	53	30		
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	50	54	30	
SIHY	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	50	50	50	50	49	0	0	
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	0	0		
SYPS	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	25	24	24	24	24	24	0	0			
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	25	25	25	17		
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	0	0	0	0	25	25	25	25	25	25	25	17			
TMGR	HY01	31	31	31	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	34	34	34	34	34	34	34	35	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34		
TMGR	HY03	32	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
TMGR	HY04	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1			
UPIA	HY01	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
UPIA	HY02	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Total Hydro		352	236	214	217	217	197	196	196	197	197	197	198	198	197	197	196	197	200	198	198	197	219	218	219	218	222	194	197	239	240	238	234	398	397	337	213	212	191	191	335	712	715	652	648	558	559	469	369	
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	9	13	17	20	22	24	25	26	27	28	27	26	26	25	24	13	12	10	2	1	1	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	9	14	19	24	27	30	18	20	24	28	44	11	23	8	20	19	12	15	4	6	5	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	6	12	19	25	31	35	39	41	44	47	25	23	9	44	42	32	32	25	3	8	9	2	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	7	19	27	36	42	48</																											

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																									
Interconnection		-5	-63	-58	-57	-2	6	-45	-62	-66	-31	-34	-26	-17	-21	-53	-31	-12	-22	-30	-42	-18	-48	-4	-19	-31	-13	-26	8	-14	-33	-13	-26	8	-2	42	48	22	11	-2	-30	13	-38	2	-6	-42	-67	-20	12	
System Total		14489	14130	13885	13648	13342	13171	12976	12785	12657	12500	12445	12361	12374	12280	12255	11873	11796	12228	12718	13158	13448	13842	13968	14129	13966	13847	13867	14018	14198	14325	14314	14441	14573	14560	14376	14136	13957	13798	13925	14617	15118	15239	15133	15063	14930	14883	14808	14588	
SRev ST-Coal		181	216	195	218	279	293	291	266	283	292	281	283	287	275	315	313	69	85	81	82	214	173	229	189	124	83	135	201	155	336	342	340	350	336	332	321	340	341	335	321	193	137	145	168	162	361	333	338	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev CCGT-Gas		353	384	583	493	459	546	568	805	921	1034	1102	1179	1151	1287	1333	1703	1811	1407	1128	942	829	702	622	690	916	1079	997	694	668	537	549	429	410	422	477	562	843	987	863	415	389	376	365	392	471	347	343	330	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	1	-1	-1	-2	-12	-8	-25	12	7	24	-30	-28	6	0	-17	16	5	-3	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-5	-7	-5	-6	-6	-4	-6	-7	-7	-5	-7	-8	-7	-6	-8	-6	-8	-9	-7	-6	-5	-4	-1	0	-2	-3	-1	2	1	-1	-1	-3	0	-1	0	0	-1	-2	-3	-2	-3	-2	-3	-2	-4	-6	-8		
Syncon		813	1050	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1201	1050	1201	1201	1201	1201	1201	1201	1050	1050	1050	1050	1050	1050	1201	1201	899	899	899	899	798	798	899	1050	1050	1201	1201	899	439	439	540	540	727	727	727	813	
Hydro		637	416	287	284	284	304	305	305	304	305	305	305	304	433	305	306	305	302	304	304	305	434	435	434	435	439	305	302	562	560	562	558	570	596	555	428	429	300	300	558	791	787	749	753	656	655	645	659	
S.Reserve Total		1979	2159	2261	2190	2217	2340	2359	2570	2702	2827	2882	2960	2936	3039	3146	3517	3380	2988	2709	2525	2545	2354	2334	2361	2511	2640	2612	2412	2292	2355	2321	2195	2134	2151	2246	2377	2666	2824	2696	2191	1851	1740	1806	1860	2053	2097	2053	2132	